

KITTTITAS COUNTY COMMUNITY DEVELOPMENT SERVICES

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"Building Partnerships - Building Communities"

FLOOD DEVELOPMENT PERMIT APPLICATION

KF-11-00027

(For any construction or placement of buildings, mining, dredging, filling, grading, paving, excavation or drilling in the FEMA 100-Year Floodplain)

Please type or print clearly in ink. Attach additional sheets as necessary. Pursuant to KCC 15A.03.040, a complete application is determined within 28 days of receipt of the application submittal packet and fee. The following items must be attached to the application packet.



REQUIRED ATTACHMENTS

For Structural Projects (such as home or garage):

- a. Project description, including project size, location, water supply, sewage disposal and all qualitative features and all elements of the proposal
b. Project diagram with scale
c. SEPA Checklist (if not exempt per KCC 15.04 or WAC 197-11-800)
d. Site plan(s) must include:
i. Vicinity map, using natural points of reference
ii. Site boundary
iii. Dimensions and locations of structures to be maintained
iv. Dimensions and locations of proposed structures
v. Source, composition, and volume of fill material
vi. Composition, volume of extracted materials and proposed disposal area
vii. Septic tank compliance with local and state regulations
e. No net-loss of floodplain storage study*
f. Licensed Surveyor/Engineer Certificate**

For Non-Structural Projects (such as rip-rap placement):

- a. Project description, including project size, location, water supply, sewage disposal and all qualitative features and all elements of the proposal
b. Project diagrams with scale
c. Site plan(s) must include:
d. Vicinity map, site location using natural points of reference
e. Site boundary
f. Ordinary high water mark (OHWM)
g. Dimensions and locations of existing structures
h. Source, composition, and volume of fill material
i. Composition, volume of extracted materials and proposed disposal area
j. SEPA Checklist (if not exempt per KCC 15.04 or WAC 197-11-800)

*Required for floodplains associated with Shorelines of the State, like the Yakima River, to prove that your structure will not displace more than 10 cubic yards of floodwater in the event of a base flood. See attachment for more details on the required study.

**Once you have submitted your application for Flood Permit, you must proceed to hire a licensed surveyor/engineer. The licensed surveyor/engineer will establish the grade elevation at the building pad and send to you and Kittitas County a letter certifying that elevation. The difference between the grade elevation and the elevation of the 100-Year Base Flood Elevation (BFE), plus 1 foot, is the elevation at which the first floor of the home must be built. If your lot is partially in the Floodway, a survey of your property may be necessary to establish that the building is not encroaching on the Floodway. An Elevation Certificate must be received by the Kittitas County Community Development Services Department before the framing inspection can be scheduled.

APPLICATION FEES:

\$180.00 Total fees due for this application (One check made payable to KCCDS)

FOR STAFF USE ONLY

Application Received By (CDS Staff Signature): Mandy Weed
DATE: 10/11
RECEIPT #
DATE STAMP IN BOX

COMMUNITY PLANNING • BUILDING INSPECTION • PLAN REVIEW • ADMINISTRATION • PERMIT SERVICES • CODE ENFORCEMENT • FIRE INVESTIGATION

GENERAL APPLICATION INFORMATION

1. Name, mailing address and day phone of land owner(s) of record:

Landowner(s) signature(s) required on application form.

Name: _____

Mailing Address: _____

City/State/ZIP: _____

Day Time Phone: _____

Email Address: _____

2. Name, mailing address and day phone of authorized agent, if different from landowner of record:

If an authorized agent is indicated, then the authorized agent's signature is required for application submittal.

Agent Name: _____

Mailing Address: _____

City/State/ZIP: _____

Day Time Phone: _____

Email Address: _____

3. Name, mailing address and day phone of other contact person

If different than land owner or authorized agent.

Name: Kirk Holmes - Kitt Co 2d Dept.

Mailing Address: All N. Ruby Suite 100

City/State/ZIP: Ellensburg, WA 98926

Day Time Phone: (509) 962-7523

Email Address: kirk.holmes@co.kittitas.wa.us

4. Street address of property:

Address: Cove Rd Bridge at Manastash Creek

City/State/ZIP: Ellensburg WA 98926

5. Legal description of property (attach additional sheets as necessary):

6. Tax parcel number: _____

7. Property size: 5-7 acresite (acres)

8. Land Use Information:

Zoning: Aural

Comp Plan Land Use Designation: Ag/Residential


AUTHORIZATION

9. Application is hereby made for permit(s) to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities. I hereby grant to the agencies to which this application is made, the right to enter the above-described location to inspect the proposed and or completed work.

All correspondence and notices will be transmitted to the Land Owner of Record and copies sent to the authorized agent or contact person, as applicable.

Signature of Authorized Agent:
(REQUIRED if indicated on application)

Date:

X 

10/4/11

Signature of Land Owner of Record
(Required for application submittal):

Date:

X _____

WAC 197-11-960 Environmental checklist.

ENVIRONMENTAL CHECKLIST

Purpose of checklist:

The State Environmental Policy Act (SEPA), Chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable: **Manastash Creek Floodplain Fill**
2. Name of applicant: **Kittitas County Department of Public Works**
3. Address and phone number of applicant and contact person:

Name:	Kirk Holmes, Director
Business Name:	Kittitas County Public Works
Street Addr/PO Box	411 North Ruby
City, State, Zip Code:	Ellensburg WA 98926
Telephone No.:	(509) 925-8585 ext. 4

4. Date checklist prepared: **9/18/08**
5. Agency requesting checklist: **Kittitas County Community Development Services**
6. Proposed timing or schedule (including phasing, if applicable):

The relocation of 7100 tons of gravel barrow is to commence October 17 and be completed by November 1, 2011.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

No further work, other than minor site disturbance restoration is expected.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

None in this area, as the site was severely impacted by the May 2011 Manastash Creek flood event.

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

No

10. List any government approvals or permits that will be needed for your proposal, if known.

Kittitas County Floodplain Development Permit, KC Shoreline Permit, WDFW HPA permit.

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

On May 15, 2011 a large flood occurred on Manastash Creek near Ellensburg in Kittitas County, Washington. Manastash Creek is located just south of Ellensburg, and after emerging from the mountains flows approximately six miles down a large historic alluvial fan before entering the Yakima River. The fan is dotted with homes and farm buildings but is primarily agricultural land used to grow timothy hay. At approximately stream mile 4, a 38-foot long single span concrete bridge carries Cove Road over the stream. During the May storm, significant flooding in the vicinity of the bridge caused the stream to overtop its banks and flow overland down the fan, threatening to damage homes, buildings, the road, and timothy hay fields in the path of the flow. To reduce overland flow, private citizens mobilized heavy equipment to excavate material from the stream to increase channel capacity and to build flood control berms along the channel banks upstream and downstream from the road. The berms remain in place today. Because the berms were constructed as an emergency response to flooding, no floodplain development permit was obtained from the County. A permit is required when features are built within a known flood hazard area because the County is responsible to make sure that the project adheres to all local, state, and federal floodplain development regulations. One key requirement is that a proponent must demonstrate is that the proposed project will not adversely impact adjacent or downstream property owners. The County is acutely aware of the flood risk along Manastash Creek in the vicinity of Cove Road. Therefore, they would like to work the local property owners to determine if the berms will cause flood impacts to neighboring lands. If there are impacts, the County would like to help the property owners determine how to modify the berms provide a meaningful level of flood protection while not causing adverse impacts to adjacent or downstream properties.

It has been determined that significant damage to the function of the mapped FEMA floodplain has occurred and removal of the estimated 7100 tons of material requires removal prior to the upcoming flood season. Kittitas County will acquire the necessary permissions, through cooperating agreements, from the property owners to access the site and remove the materials. There will also be some professional hydrological analysis completed prior to and during the removal operations. The County will acquire the services of a professional streams and rivers specialist to create a HEC-RAS hydraulic model of the channel and floodplain in the vicinity of the bridge. The model will be used to examine:

- The capacity and flood characteristics of the existing topographic configurations.
- The capacity and flood characteristics of the reach if the flood protected berms were removed completely.
- Various berm modification alternatives.

No attempt will be made to calibrate the model to the May 2011 flood for this would be a meaningless exercise due to the significant uncertainty in the peak discharge, sediment deposition, and the influence of flood fighting activities. Although the model will not be calibrated, it will provide a useful tool to help evaluate the potential benefits of various berm modification options. This will also assist the professional to field verify all activities associated with potential impacts associated with any berm modifications or removal. The County will also conduct a qualitative analysis of the fluvial processes that are on-going on the Manastash alluvial fan to help explain sediment transport and deposition processes.



12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

The project is located in Kittitas County, Washington near the Cove Road Bridge over Manastash Creek

Please refer to Attached Maps.

B. ENVIRONMENTAL ELEMENTS

1. Earth

- a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, other.

The site is located in the alluvial fan of Manastash Creek. The area is generally flat with some distinguishable sloping to the northeast in this area.

- b. What is the steepest slope on the site (approximate percent slope)?

.5 to 2% slopes in the stream channel and surrounding area.

- c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

806: Weirman very cobbly sandy loam

715: Weirman gravelly sandy loam

The materials to be removed are typical of the sediment found in systems of this nature in Kittitas County. Round river cobble with a mix of fine sediment.

- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

Manastash Creek has a very active sediment transportation feature. This is very typical of a refined alluvial system. Most of the materials to be removed are a result of sediment transport. The area also shows a history of active forced, mechanical bed load removal that signifies a greater potential for additional erosion occurrences in the future.

- e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

The project proposes removal of approximately 7100 tons of material to an area outside of a regulated flood plain. The source of the material is the sediment transport of Manastash Creek and the flood fighting efforts associated with the May 2011 event.

- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

The project limits will not likely suffer greater erosion than has already occurred as a result of the May flood event. Some minor restoration may need to occur as a result of the project by the property owners. This would be surface type restoration such as grass or shrub plantings.

- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

None

- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

Construction activities for the projects will be conducted in a manner that limits bank disturbance and tree removal to the extent possible. Water will be diverted around the work areas. Upon completion of construction, minor grading will be performed along the Manastash Creek banks to match existing slopes. Disturbed bank areas may be revegetated with native trees, shrubs or grasses. Use of native vegetation may include the following species: red alders, cottonwood, willows, red osier dogwood and chokecherry. Exposed soils will be stabilized by straw mulch, seeding, or other appropriate method, to minimize soils entering the creek.

2. Air

- a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

Some minor and small quantity of dust may occur during the work.

- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

No

- c. Proposed measures to reduce or control emissions or other impacts to air, if any:

If necessary, water trucks to provide dust emissions from the project.

3. Water

- a. Surface:

- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Yes. The project site is between stream miles 5.6 and 1.4 on Manastash Creek. Manastash Creek is a tributary to the Yakima River at river mile 154.5.

- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

Yes. The bulk of the project involves working immediately on the jurisdictional shoreline of Manastash Creek.

See attached survey and location map.

- 3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

None

- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

None

- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

None

- 6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

None

b. Ground:

- 1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.

None

- 2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals . . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

None

c. Water runoff (including stormwater): **None**

- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

None

- 2) Could waste materials enter ground or surface waters? If so, generally describe.

None

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

As needed, to be field verified.

4. Plants

a. Check or circle types of vegetation found on the site:

- deciduous tree: alder, maple, aspen, other
- evergreen tree: fir, cedar, pine, other
- shrubs
- grass
- pasture
- crop or grain
- wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
- water plants: water lily, eelgrass, milfoil, other
- other types of vegetation

- b. What kind and amount of vegetation will be removed or altered?

Avoidance or minimization of disturbance to riparian vegetation would be attempted whenever possible at the project area. The bank areas of disturbance are to be revegetated by the property owners. This will help reduce effects of sedimentation upon re-watering and during later high water events. Erosion control blankets or straw and seeding techniques may be used in staging and access areas adjacent to the stream that are disturbed during construction activities. The site is already significantly altered due to the damage associated with the May 2011 flood event.

It is estimated that a total area 15' wide by 1500' long area of material will need to be removed to restore the function of the regulated floodplain in the project area. This area of removal has all been previously disturbed due to flood impacts. There is no visible vegetation in the material that requires removal or revegetation. Some minor post project efforts will be made by the property owners to reduce the impact to vegetation, and areas that are temporarily disturbed will be revegetated with native plantings per a settlement agreement with the property owners.

- c. List threatened or endangered species known to be on or near the site.

During the course of environmental scoping for the project, the following databases were searched for presence of federally-listed species: USFWS Federal Endangered Species Lists for Kittitas County (USFWS 2008); Washington State Department of Natural Resources, Natural Heritage Database for plants; WDFW Priority Habitats and Species database (PHS) and maps; WDFW Fish Survey Archives; and U.S. Forest Service (USFS) stream survey reports. A search of the Washington Natural Heritage Program list of surveyed land sections indicated no known occurrences of listed plant species within the subject sections for this project (NHP 2008).

- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

Avoidance or minimization of disturbance to riparian vegetation would be attempted whenever possible at the project sites. Some minor post project efforts will be made by the property owners to reduce the impact to vegetation, and areas that are temporarily disturbed will be revegetated with native plantings per a settlement agreement with the property owners.

5. Animals

- a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

birds: **hawk**, heron, eagle, **songbirds**, other:

mammals: **deer**, bear, elk, **beaver**, other:

fish: bass, **salmon**, **trout**, herring, shellfish, other: **Speckled and Longnose dace**, **Sculpin**, **Mountain whitefish**

- b. List any threatened or endangered species known to be on or near the site.

Table 1. Preliminary List of Threatened, Endangered, and Candidate Species that May be Present in Vicinity of Project Site			
Species	Federal Status	ESU/DPS/Region	Critical Habitat
Bull Trout <i>Salvelinus confluentus</i>	Threatened	Columbia River DPS	Designated, but not within action area ¹
Steelhead	Threatened	Middle Columbia DPS	Designated, Manastash Creek included

¹ Critical habitat for the bull trout was proposed to include Manastash Creek; however, the creek was eliminated from final critical habitat designated September 2004. (Manastash Creek Restoration Project Biological Evaluation [HDR FishPro 2008])

- c. Is the site part of a migration route? If so, explain.

Manastash Creek is not currently known to provide spawning for steelhead; however, juvenile steelhead, Chinook, and Coho have been documented in the lower portion of the Creek near the confluence with the Yakima River. The Manastash Creek Restoration Project is working to open up the regulatory floodplain to the pre-May 2011 function.

The project area is part of migratory routes for songbirds.

- d. Proposed measures to preserve or enhance wildlife, if any:

None. The project is specifically targeted to open up the regulatory floodplain to the pre-May 2011 function.

6. Energy and natural resources

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

The project will not require any new or additional energy needs while under construction or will any new or additional energy needs be required in post-construction configuration.

- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

None

- c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

The facility lighting will be on an as needed basis.

7. Environmental health

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste that could occur as a result of this proposal? If so, describe.

None

- 1) Describe special emergency services that might be required.

None

- 2) Proposed measures to reduce or control environmental health hazards, if any:

None

b. Noise

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

None

- 2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Heavy construction equipment and trucks will be used to remove the materials needed to restore the floodplain. Construction will occur Monday-Friday between the hours of 7:00 am - 5:00 pm.

There will be no long term noise as a result of the pipeline and diversion abandonment.

- 3) Proposed measures to reduce or control noise impacts, if any:

Construction will occur Monday-Friday between the hours of 7:00 am - 5:00 pm.

8. Land and shoreline use

- a. What is the current use of the site and adjacent properties?

The current land use in the area is pasture, irrigated agriculture, and residential.

- b. Has the site been used for agriculture? If so, describe.

Yes several of the project sites are used for agriculture, mainly livestock pasture.

- c. Describe any structures on the site.

The structures near the project site include the Cove Road Bridge and various residential and accessory units.

There are houses, barns, and outbuildings within the vicinity of the project.

- d. Will any structures be demolished? If so, what?

None

- e. What is the current zoning classification of the site?

The current zoning ranges from Ag 3 to Ag 20.

- f. What is the current comprehensive plan designation of the site?

The Comprehensive Plan's Land Use Element designates the subject area as rural.

- g. If applicable, what is the current shoreline master program designation of the site?

Rural

- h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

Portions of the pipeline route fall within the 100 year flood plain. The project also falls into the designated shoreline under Kittitas County jurisdiction.

- i. Approximately how many people would reside or work in the completed project?

None

- j. Approximately how many people would the completed project displace?

None

- k. Proposed measures to avoid or reduce displacement impacts, if any:

None

- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

The re-construction and establishment of the regulated floodplain in this area will allow Kittitas County to maintain good standing in the National Flood Insurance Program and also provides for significant educational benefits to the neighboring property owners living within the regulated floodplain of Manastash Creek.

9. Housing

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

None

- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

None

- c. Proposed measures to reduce or control housing impacts, if any:

None

10. Aesthetics

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

None

- b. What views in the immediate vicinity would be altered or obstructed?

None

- c. Proposed measures to reduce or control aesthetic impacts, if any:

None

11. Light and glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

None. All activities within this proposal will occur between 8am and 5pm.

- b. Could light or glare from the finished project be a safety hazard or interfere with views?

No

- c. What existing off-site sources of light or glare may affect your proposal?

None

- d. Proposed measures to reduce or control light and glare impacts, if any:

None

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity?

None

- b. Would the proposed project displace any existing recreational uses? If so, describe.

None

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

None

13. Historic and cultural preservation

- a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

None

- b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

None

- c. Proposed measures to reduce or control impacts, if any:

None

14. Transportation

- a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

Cove Road, Manastash Road, Umptanum Road, Weaver Road. Project Contractor will provide traffic use plan for removal project.

- b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

None

- c. How many parking spaces would the completed project have? How many would the project eliminate?

None

- d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

None

- e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

Possible water use for dust control.

- f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

None

- g. Proposed measures to reduce or control transportation impacts, if any:

Any impacts would be construction related and mitigated by an approved traffic plan by project contractor.

15. Public services

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.

No

- b. Proposed measures to reduce or control direct impacts on public services, if any.

Basic traffic control for construction impacts.

16. Utilities

- a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

N/A

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: _____ Original Signed _____

Date Submitted: _____ September ____, 2011 _____